UNITED
NATIONS

ST

Secretariat

Distr.
GENERAL

ST/SG/AC.10/C.3/1997/25
28 April 1997

Original: ENGLISH

COMMITTEE OF EXPERTS ON THE TRANSPORT OF DANGEROUS GOODS

Sub-Committee of Experts on the Transport of Dangerous Goods
(Thirteenth session,
Geneva, . -17 July 1997,
agenda item (3 (a))

DRAFT AMENDMENTS TO THE MODEL REGULATIONS ON THE TRANSPORT OF DANGEROUS GOODS

Tanks

Transport of self-reactive substances of Division 4.1, Type F, in portable tanks

Transmitted by the European Chemical Industry Council (CEFIC)

1. Background

The classification procedures for self-reactive substances of division 4.1 (b) are based on the same criteria as organic peroxides. After passing all tests of the flow chart, the classification, directly depending on the dangerous properties, results in exits A to G.

"Exit F" means that the substances in Division 5.2 and 4.1 (b) may be considered for transport in IBC's or tanks.

Concerning portable tanks, Chapter 12 of the UN Recommendations, ninth revised edition, and Chapter 4 of the reformatted recommendations specify that not named organic peroxides of type F are permitted for transport in portable tanks after approval and notification by the competent authorities. However, a similar permission for self-reactive substances of division 4.1 (b) is not contained.

CEFIC proposes to extend the permission to self-reactive substances of division 4.1 (b), based on the reformatted UN Recommendations adopted by the Committee of Experts at its December 1996 session (see document ST/SG/AC.10/23/Add.3).

2. Proposal on the basis of the reformatted UN Recommendations

Proposed changes to Chapter 2, figure 2.1
(see ST/SG/AC.10/R.505/Add. 1, page 28 or Recommendations on the Transport of Dangerous Goods, ninth revised edition, Figure 14.2 (b), page 394)

Delete the footnote as well as the asterisk in the box of exit F.

Proposed changes to Chapter 3.2 (see ST/SG/AC.10/R.505/Add. 3)

Portable tank instruction T34 should be added in column 10 of the Dangerous Goods List of Chapter 3.2 for the following entries:

UN 3229 SELF-REACTIVE LIQUID TYPE F
UN 3230 SELF-REACTIVE SOLID TYPE F

UN 3239 SELF-REACTIVE LIQUID TYPE F, TEMPERATURE CONTROLLED
UN 3240 SELF-REACTIVE SOLID TYPE F, TEMPERATURE CONTROLLED

Remark: In document ST/SG/AC.10/R.505/Add.3, T 26 is indicated in column 10 of the Dangerous Goods List for organic peroxides of UN-Nos. 3109, 3110, 3119, 3120. This reference should be changed to T34, in accordance with ST/SG/AC.10/23/Add.2.

Proposed changes to Chapter 4.2 (see ST/SG/AC.10/23/Add.3)

4.2.1.11.1 In the title and the first sentence, add "other than Division 4.1 self-reactive substances" after "Class 4 substances"
Add the following Note:
"NOTE: For Division 4.1 self-reactive substances, see 4.2.1.13.1".

4.2.1.13 Insert "and Division 4.1 self-reactive substances" after "Division 5.2 substances".

4.2.1.13.1 Replace the word "Organic peroxide" by "substance"

4.2.1.13.2 First line, read "... intended for the transport of Type F organic peroxides or type F self-reactive substances with...".

Second sentence: replace "organic peroxide" with "substance".

4.2.1.13.3 Insert "or self-reactive substances" after "organic peroxides".

4.2.1.13.6
4.2.1.13.11
4.2.1.13.12
4.2.1.13.14 } Replace "organic peroxide" with "substances".

4.2.1.13.15 Insert "and self-reactive substances" after "organic peroxides".

4.2.4.2.2 Amend the 2nd sentence to read:

"In T34, self-reactive substances of Division 4.1 and Division 5.2 organic peroxides permitted to be transported in portable tanks are listed along with the applicable control and emergency temperatures."

Amend portable tank instruction T 34 to read as follows:

Heading:

T34	**PORTABLE TANK INSTRUCTION**							**T34**
This portable tank instruction applies to self-reactive substances of Division 4.1 and to Division 5.2 organic peroxides. The general provisions of section 4.2.1 and the requirements of section 6.6.2 shall be met. The provisions specific to self-reactive substances of Division 4.1 and organic peroxides of Division 4.2 in 4.2.1.13 shall also be met.								
UN No.	Substance	Min. Test Pressure (bar)	Min. Shell Thickness (mm-reference steel)	Bottom Opening Require-ments	Pressure Relief Require-ments	Filling Limits	Control Temp.	Emerg. Temp.

The following lines should be added:

3229	SELF-REACTIVE LIQUID TYPE F	4	See 6.6.2.4.2	See 6.6.2.6.3	See 6.6.2.8.2 4.2.1.13.6 4.2.1.13.7 4.2.1.13.8	See 4.2.1.13.13		
3230	SELF-REACTIVE SOLID TYPE F	4	See 6.6.2.4.2	See 6.6.2.6.3	See 6.6.2.8.2 4.2.1.13.6 4.2.1.13.7 4.2.1.13.8	See 4.2.1.13.13		
3239	SELF-REACTIVE LIQUID TYPE F, TEMPERATURE CONTROLLED	4	See 6.6.2.4.2	See 6.6.2.6.3	See 6.6.2.8.2 4.2.1.13.6 4.2.1.13.7 4.2.1.13.8	See 4.2.1.13.13	*	*
3240	SELF-REACTIVE SOLID TYPE F, TEMPERATURE CONTROLLED	4	See 6.6.2.4.2	See 6.6.2.6.3	See 6.6.2.8.2 4.2.1.13.6 4.2.1.13.7 4.2.1.13.8	See 4.2.1.13.13	*	*

* As approved by the competent authority.

Remark: The asterisk in the columns "Control Temp." and "Emergency Temperature" should also be placed for organic peroxides of UN-Nos. 3119 and 3120.